uretroscopy

indication of scopy

diagnose

- trauma
- lat. source haemturea
- ut. tumour
- stricture & obst.
- urinary tcc

thrapeutic

- stone extract.
- fistula
- resect tumour

plastic cath.

diagnose

- urine sample
  - not 4 cytology
  - not 4 protein 24h
- cystography
  - not urthrography
    - dye not retained

foley's cath.

- urthrogram

uretrourthroscopy

- patent
  - urthra
  - bladder
- evacuate bladder
- ident. ureter orif.

Guide wire

- to kidney
  - maliable end
- from urthra
  - tough end

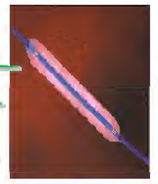
Dilatation

gradual

- teflon dilator
  - d.d
    - uretric cath.
  - multiple steps
  - long segment dil.
  - time consuming

sudden

- baloon dilator
  - one step
  - limited to intramural
  - short time
  - may rupture vessels



uretric cath.

indication

Therapeutic(JJ)

- after uretroscopy
- retropretoneal fibrosis
- obstructed kidney
- uretrovasical Fist.
  - wiat 3m to manage
  - pregnancy
- with ESWL
  - in O F K
- obstructive anuria
- where tumor
- with foley's
  - urine cytology

diagnostic

- D. source of hge
- retrograde pylouretrography
  - hypersens.
    - no IVU
  - uraemic
- D. urine analysis
  - obsolete

ثبتها مع الfoley

- remove guide w.
- from 3d- max 1week
- if need stent

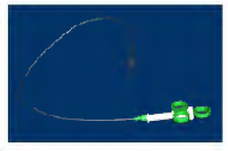
double j

- upto 6 month.
- by pusher
- removed by cystoscope

ureteroscope

dormia basket

- lower 1/3
- middle



desintegration

- 0.8-1.5cm

forceps

- upper 1/3
  - never dormia
  - avulsion